CENTRAL MODERN SCHOOL, BARANAGAR
Syllabus for Second Terminal Examination, Session : 2024 – 2025
CLASS – XI (SCIENCE)

 # English – I
[50 Marks] : 1. Composition ; 2. Article Writing, Report Writing ; 3. Grammar

 # English – II
[50 Marks] :
Macbeth : Act I, Act – II Up to Scene – 1
Rhapsody : 1. Why I Like the Hospital ; 2. Death of a   Naturalist
Prism : 1. Advice to Youth : 2. The Paper Menagerie

 # Hindi
[50 Marks] :
सारा आकाश - पाठ - 6
गद्य संकलन - पाठ - 4 सती
पद्य संचयन - पाठ - 4 आः धरती कितना देती है।
व्याकरण - अपठित गद्यांश, वाक्य शुद्ध-अशुद्ध

 # Bengali
[50 Marks] :
Sec – A : প্রবন্ধ রচনা
Grammar :
1. বানান সংশোধন (Chap. 9) ; 2. সমোচ্চারিত ভিন্নার্থক শব্দ (Chap. 11)
Sec – B :
1. অনাচার (Chap. 4) ; 2. তাসের ঘর (Chap. 3)
কবিতা
1. বর্ণপরিচয় (Chap. 4) ; 2. বনলতা সেন (Chap. 3)
কোনি – (Chap. 5)

 # Mathematics
[50 Marks] :
Sec – A : Chaps. 9. Binomial Theorem ; 10. Sequences and Series ;
11. Straight Lines ; 12. Circles ; 14. Statistics ; 15. Probability
Sec – B : Chap. 1. Conic Sections
Sec – C : Chap. 3. Index Numbers and Moving Averages

 # Physics
[50 marks] :
Unit 7. PROPERTIES OF BULK MATTER
1. Mechanical Properties of Solids: (ELASTICITY)
2. Mechanical Properties of Fluids: (FLUID PRESSURE, FLOW OF   LIQUIDS and VISCOSITY, SURFACE TENSION)
Unit 8. HEAT AND THERMODYNAMICS
1. Thermal Properties of matter
2. Heat transfer
3. Thermodynamics
4. Isothermal and Adiabatic Processes
5. Heat Engine: Second Law of Thermodynamics
Unit 9. BEHAVIOUR OF PERFECT GAS AND KINETIC THEORY OF GASES
1. Behaviour of Perfect Gas and Kinetic Theory of Gases

 # Chemistry
[50 marks] :
1. Some basic concepts of chemistry ; 2. Structure of atom
3. Chemical bonding and molecular structure ;
4. Chemical thermodynamics ; 5. Chemical equilibrium

 # Biology
[50 marks] :
1. Morphology of root, stem and leaf ; 2. Morphology of flower, fruit and seed ;
3. Anatomy of flowering Plants ; 4. Cell cycle and cell division ;
5. Biomolecules.

 # Computer Science
[50 marks] :
Chaps.   1. Numbers ; 2. Encodings ; 3. Propositional Logic, Hardware
Implementation, Arithmetic Operations (Excluding Half Adder, Full Adder) ;
4. Introduction To Java Language ;
5. Concept Of Data Type ; 6. Operators And Expressions ;
7. Conditional And Looping Statements ; 8. Character Handling And String
Manipulations ; 9. Arrays (Single And Double Dimensional) ;
10. Methods And Constructors ; 12. Recursion.

Date: September 4, 2024

Sd/-
Principal